SCHEDULE OF STORM SEWER INSTALLATIONS (SMOOTH PIPE SYSTEM)

ROUTING SEQUENCE FROM	TO	LOCATIONS OF INSTALL: STATIONING REF.	NUMBER	ROUTE	DISTANCE LT./RT.	TYPE OF INSTALLATION: TYPE IA	4' DIA. MANHOLE	BACKYARD	DOUBLE DROP	DIMENSIONS: L (FT.)	W (FT.)	H (FT.)	ELEVATIONS: TOP	FLOOR
A1	A2	120	70.61	Hillside Avenue	72.63' Rt.					-	-	-	-	-
A2	A3	120	50.00	Hillside Avenue	34.00' Rt.	1				10.0	3.0	9.0	1367.14	1358.90
A3	A4	120	50.00	Hillside Avenue	34.00' Lt.	1				10.0	3.0	9.5	1367.14	1358.40
A4	Aout	119	00.00	Hillside Avenue	34.00' Lt.	1				10.0	4.0	12.0	1369.15	1357.70
B1	B2	122	00.00	Hillside Avenue	34.00' Rt.	1				10.0	3.0	5.0	1365.05	1360.80
B2	B3	124	20.00	Hillside Avenue	44.00' Rt.	1				10.0	3.0	5.5	1363.23	1358.65
B3	Bout	124	20.00	Hillside Avenue	44.00' Lt.	1				10.0	3.0	6.5	1363.23	1357.30
B4	B3	122	00.00	Hillside Avenue	39.00' Lt.	1				10.0	3.0	5.5	1364.95	1360.08
C1	C2	228	30.00	45th Street	22.00' Rt.	1				10.0	3.0	9.5	1367.19	1358.50
C2	C3	125	83.18	Hillside Avenue	56.09' Rt.	1				10.0	3.0	8.5	1364.47	1356.80
C3	C4	125	77.29	Hillside Avenue	32.25' Lt.	1				5.0	5.0	9.5	1364.88	1356.25
C4	C5	225	53.03	45th Street	30.94' Rt.	1				5.0	5.0	10.0	1364.96	1355.70
C5	Cout	224	15.00	45th Street	40.00' Rt.	1				10.0	3.0	8.0	1361.01	1353.70
C6	C2	125	71.74	Hillside Avenue	76.96' Rt.					-	-	-	-	-
D1	D2	230	64.65	45th Street	43.55' Lt.			1		4.0	-	4.0	1368.54	1365.20
D2	D3	230	54.15	45th Street	25.77' Lt.		1			4.0	-	8.0	1372.38	1364.90
D3	D4	229	86.95	45th Street	22.90' Lt.	1				10.0	3.0	9.5	1372.23	1363.65
D4	D5	228	30.00	45th Street	40.00' Lt.	1				10.0	3.0	6.5	1366.80	1360.80
D5	D6	127	00.22	Hillside Avenue	50.36' Rt.	1				10.0	5.0	7.5	1364.72	1357.90
D6	D7	224	78.00	45th Street	34.00' Lt.	1				10.0	4.0	9.5	1363.28	1354.50
D7	Dout	222	49.73	45th Street	33.34' Lt.	1				15.0	4.0	6.0	1355.55	1350.30
D11	D8	229	43.62	45th Street	96.55' Lt.				1	4.0	2.0	5.5	1369.39	1364.80
D8	D9	229	74.03	45th Street	75.88' Lt.	1				10.0	3.0	5.0	1368.83	1364.55
D9	D3	229	83.14	45th Street	50.18' Lt.			1		4.0	-	5.0	1368.27	1364.05
D10	D7	222	62.70	45th Street	60.23 Lt.					-	-	-	-	-
E1	E2	127	91.00	Hillside Avenue	42.00' Lt.	1				10.0	3.0	4.0	1362.38	1359.00
E2	D5	127	91.00	Hillside Avenue	32.00' Rt.	1				10.0	3.0	4.5	1362.58	1358.75
F1	D5	227	37.17	45th Street	115.65' Lt.	1				10.0	3.0	5.0	1365.90	1361.50
G1	G2	129	50.48	Hillside Avenue	119.52' Rt.	1				10.0	3.0	7.0	1365.53	1359.50
G2	G3	129	70.00	Hillside Avenue	32.00' Rt.	1				10.0	6.0	4.0	1359.90	1356.40
G3	Gout	129	70.00	Hillside Avenue	42.00' Lt.	1				10.0	3.0	4.5	1359.70	1356.10
G4	G2	130	17.17	Hillside Avenue	45.26' Rt.					-	-	-	-	-
H1	H2	232	75.18	45th Street	42.59' Lt.					-	-	-	-	-
H2	Hout	231	82.00	45th Street	22.00' Lt.	1				5.0	4.0	6.0	1373.54	1368.30
I1	Iout	231	82.00	45th Street	22.00' Rt.	1				5.0	5.0	7.0	1373.55	1367.50
				TOTAL		26	1	2	1					

FROM	TO	INFLOW CONDUITS: CONDUIT SIZE	FLOWLINE ELEV.	CONDUIT SIZE	FLOWLINE ELEV.	CONDUIT SIZE	FLOWLINE ELEV.	OUTFLOW CONDUIT: CONDUIT SIZE	FLOWLINE ELEV.
A1	A2							24"	1359.65
A2	A3	24"	1359.30					24"	1358.90
A3	A4	24"	1358.65					24"	1358.40
A4	Aout	24"	1358.00					24"	1357.70
B1	B2							18"	1360.80
B2	B3	18"	1359.20					18"	1358.65
B3	Bout	18"	1358.00	18"	1358.50			18"	1357.30
B4	B3							18"	1360.08
C1	C2							18"	1358.50
C2	C3	18"	1357.35	18"	1358.10			18"	1356.80
C3	C4	18"	1356.35					18"	1356.25
C4	C5	18"	1355.90					18"	1355.70
C5	Cout	18"	1354.20					18"	1353.70
C6	C2							18"	1358.40
D1	D2							24"	1365.20
D2	D3	24"	1365.00					24"	1364.90
D3	D4	24"	1364.60	18"	1363.85			24"	1363.65
D4	D5	24"	1361.30					24"	1360.80
D5	D6	24"	1358.60	18"	1358.60	18"	1358.85	24"	1357.90
D6	D7	24"	1355.35					24"	1354.50
D7	Dout	24"	1350.65	2-38"x24"	1350.40			2-38"x24"	1350.30
D11	D8							15"	1364.80
D8	D9							18"	1364.55
D9	D3	18"	1364.25					23"x14"	1364.05
D10	D7							2-38"x24"	1350.70
E1	E2							18"	1359.00
E2	D5	18"	1358.85					18"	1358.75
F1	D5							18"	1361.50
G1	G2							18"	1359.50
G2	G3	18"	1356.75	45"x29"	1356.40			2-34"x22"	1356.40
G3	Gout	2-34"x22"	1356.10					2-34"x22"	1356.10
G4	G2							45"x29"	1356.50
H1	H2							34"x22"	1369.15
H2	Hout	34"x22"	1368.50					34"x22"	1368.30
I1	Iout							38"x24"	1367.50
								TOTAL	

FROM	TO	PIPE LENGTHS: 15" RCP	18" RCP	24" RCP	14"x23" HERCP	22"x34" HERCP	24"x38" HERCP	29"x45" HERCP	END SECTIONS: 18" RC	24" RC	34"x22" RCHE	38"x24" RCHE	45"x29" RCHE
A1	A2			38.8						1			
A2	A3			71.0									
A3	A4			150.0									
A4	Aout			163.4						1			
B1	B2		220.2										
B2	B3		91.0										
B3	Bout		35.8						1				
B4	B3		220.2										
C1	C2		155.7										
C2	C3		92.3										
C3	C4		48.7										
C4	C5		138.3										
C5	Cout		34.0						1				
C6	C2		22.2						1				
D1	D2			20.6									
D2	D3			68.1									
D3	D4			156.5									
D4	D5			155.9									
D5	D6			198.4									
D6	D7			224.4									
D7	Dout						256.0					2	
D11	D8	36.9											
D8	D9		26.4										
D9	D3				26.1								
D10	D7						43.0					2	
E1	E2		77.0										
E2	D5		91.0										
F1	D5		81.6										
G1	G2		86.4										
G2	G3					157.0							
G3	Gout					64.8					2		
G4	G2							43.0					1
H1	H2					90.1					1		
H2	Hout					45.9							
I1	Iout						72.6						
TOTAL		36.9	1420.8	1247.1	26.1	357.8	371.6	43.0	3	2	3	4	1

PIPE CULVERT SUMMARY

STATION	TYPE	SIZE OR BID DESIGNATION SQ. FT.	CROWN GRADE ELEV.	FLOW LINE IN	FLOW LINE OUT	HORIZONTAL ROADWAY LT.	HORIZONTAL ROADWAY RT.	DEGREE OF ROTATION	LENGTH OF PIPE LT.	LENGTH OF PIPE RT.	LIN. FT. OF PIPE	HEIGHT OF FILL (MAX.) FT.	CONCRETE PIPE AASHTO CLASS NO.	PIPE GUAGE ◔ STEEL	PIPE GUAGE ◔ ALUM.	PIPE ◔ CORRUGATIONS STEEL	PIPE ◔ CORRUGATIONS ALUM.	REMARKS
128+73.76	CMP	15"	-	1358.47	1358.40	-	-	-	-	-	75.0'	1.3	III					Temporary Entrance Pipe
231+20.44	RCB	6' x 3'	1374.21	1368.00	1365.93	68.7	48.0'	28.9°	78.4'	54.7'	133.1'	1.5	III					
234+12.44	HERCP	34"x22"	-	1371.88	1371.61	-	-	-	-	-	42.4'	0.8	III					Top of Pipe Right Below Pavement

DRAINAGE STRUCTURES

STATION	SIDE	SIZE	TYPE	CROSS ROAD PIPES RCB 6' X 3'	ENTRANCE PIPES CMP 15"	ENTRANCE PIPES HERCP 34"x22"	END SECTIONS RCHE 34"x22"	REMARKS
128+73.76	Rt.	15"	CMP		75.0			Temporary Entrance Pipe
231+20.44	℄	6' x 3'	RCB	133.1		42.4	2	Cross Road RCB
234+12.44	Lt.	34"x22"	HERCP					Entrance Pipe
				133.1	75.0	42.4	2	

PIPE ABANDONED IN PLACE

STATION	SIZE	L.F.
125+47.60	27"X42"	74.7
127+22.64	27"X42"	71.7
130+07.16	24"	73.1
TOTALS (L.F.)		219.5

CONCRETE FLUME

STATION	OFFSET	WIDTH (FT)	L.F.
116+22.47	27.00' Rt.	2.5	7.5
116+22.47	27.00' Lt.	2.5	7.5
129+84.35	28.00' Rt.	2.5	7.5
129+84.35	38.00' Lt.	2.5	7.5
222+65.63	37.18' Rt.	2.5	7.5
TOTALS (L.F.)			37.5

SLOPE DRAIN (STONE)

STATION	OFFSET	WIDTH (FT)	L.F.
116+22.47	34.50' Rt.	5.0'	5.0
116+22.47	34.50' Lt.	5.0'	5.0
129+84.35	35.50' Rt.	5.0'	5.0
129+84.35	45.50' Lt.	5.0'	5.0
222+65.63	44.67' Rt.	5.0'	5.0
TOTALS (L.F.)			25.0

DITCH LINER

STATION	STATION	SIDE	L.F.
124+39.19	125+69.41	Lt.	377.4
125+11.94	125+88.29	Rt.	137.6
TOTALS (L.F.)			515.0

RECAPITULATION OF STORM QUANTITIES

ITEM	QUANTITY	UNIT
Pipe, Temporary	75	L.F.
Pipe, Abandoned in Place	220	L.F.
Pipe, SWS 15"	37	L.F.
Pipe, SWS 18"	1421	L.F.
Pipe, SWS 24"	1247	L.F.
Pipe, SWS, HERCP (14"x23")(18)	26	L.F.
Pipe, SWS, HERCP (22"x34")(27)	400	L.F.
Pipe, SWS, HERCP (24"x38")(30)	372	L.F.
Pipe, SWS, HERCP (29"x45")(36)	43	L.F.
Pipe, RCBC (6'x3')(Precast)	133	L.F.
Pipe, End Section 18"	3	EA.
Pipe, End Section 24"	2	EA.
Pipe, End Section, RCHE (22"x34")(27)	5	EA.
Pipe, End Section, RCHE (24"x38")(30)	4	EA.
Pipe, End Section, RCHE (29"x45")(36)	1	EA.
Inlet, Curb (Type 1A)(L=5', W=4')	1	EA.
Inlet, Curb (Type 1A)(L=5', W=5')	3	EA.
Inlet, Curb (Type 1A)(L=10', W=3')	17	EA.
Inlet, Curb (Type 1A)(L=10', W=4')	2	EA.
Inlet, Curb (Type 1A)(L=10', W=5')	1	EA.
Inlet, Curb (Type 1A)(L=10', W=6')	1	EA.
Inlet, Curb (Type 1A)(L=15', W=4')	1	EA.
Area Inlet (Backyard Inlet)	2	EA.
MH, Standard SWS (4' Dia.)	1	EA.
Inlet, Drop (Double)	1	EA.
Fill, Sand (Flushed & Vibrated)(SWS)	2714	L.F.
Fill, Sand (Flushed & Vibrated)(SWS Removal)	805	L.F.
Concrete Flume	38	L.F.
Slope Drain (Stone)	25	L.F.
Inlet Underdrain	505	L.F.
Inlet Hookup	29	EA.
Rip-Rap, Light Stone	315	S.Y.
Ditch Liner	515	S.Y.

TranSystems®
245 NORTH WACO
SUITE 222
WICHITA, KS 67202
PHONE: 316-303-3000
FAX: 316-303-0156

CONSULTANTS:

45TH & HILLSIDE
INTERSECTION IMPROVEMENT
WICHITA, KANSAS
CITY OF WICHITA

REVISIONS:

MARK	DATE	DESCRIPTION

PROJ NO: 87 N-0616-01
SCALE: N/A
DATE: 10/9/2017
DESIGNED BY: TAU
DRAWN BY: TAU
CHECKED BY: MDB

SHEET TITLE:
SCHEDULE OF STORM SEWER

SHEET NO.
33
SHEET 33 OF 166

IF THIS DRAWING IS LESS THAN 22" X 36" IT IS A REDUCED SIZE DRAWING

taummel
10/9/2017 - 1:00:13 PM - c:\transystems\pw_local\transyscorp-pw1\taummel\d0258264\rd050.dgn